Field Service Bulletin No. 15

Order No.: DD+DIS108.01E

1 piece UMKHO MA1

ADC Solo
Type 5155

Rating			When?		
safety relevant	reliability	new function	immediately	next service	as required
	X				X

Please file this document in section 13 of your technical documentation

Laser Diodes with wrongly connected Wires at Peltier Element

Symptom: The Peltier element at the laser module (GS434, see Figure 1) - intended for cooling the device - may cause a heating effect, which is responsible for sporadic artifacts of the machine.

Defect: With an uncertain amount of laser modules the wiring of the Peltier element has been confused. This causes a heating effect.

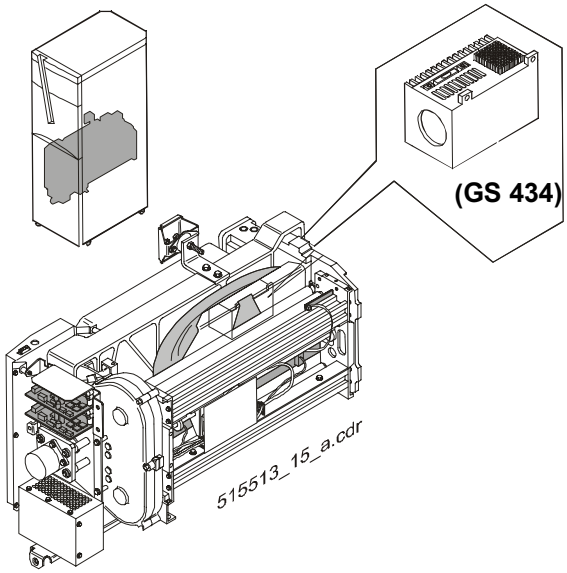

Figure 1

Due to the heating up the nominal power of the laser varies. As an example the following power variations can occur during a scan process:

23 mW
23 mW
13 mW out of range of tolerance!
23 mW
22 mW
11 mW out of range of tolerance!
23 mW
23 mW

These variations cause artifacts in the picture.

Solution:

- Check, if the cables inside the Peltier element are connected correctly, see Figure 2:
  black cable: left (facing the rear side of the machine)
  red cable: right (facing the front side of the machine)

Figure 2

- Check with the Diagnosis Software→ Scan & Signals if the red Service-LED = on, because of the laser power is out of range of tolerance.

- If the cables inside the Peltier element are connected wrongly, remove the laser module (see section 6.5, item 1.7 of your technical documentation) and send it – provided with a defect label – to the following address: AGFA Munich, Retourenstelle
  Tegernseer Landstr. 161
  D-81536 Munich

It is **not** possible to open the Peltier element in the field and exchange the cables on site.